

Ryan McCann

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PROFESSIONAL

RESEARCH ASSISTANT

University of Massachusetts Lowell

Lowell, MA

Sept. 2022 - Present

- Assisting Professor Vokkarane with his research related to ultra-high-speed networks

FIRMWARE VALIDATION INTERN

Zebra Technologies (Part-time & Full-time)

Lincoln, RI

January - May 2022

May - August 2022

- Developed a script identifying 150+ intermittent failures on the production build page
- Created an API parser for QuickTrack Wi-Fi 6 certification
- Added and updated 15 new tests to the automated testing framework
- Met with the Chief Product and Solutions Officer to present a new expansion market idea

DATA SCIENTIST INTERN

Nference

Cambridge, MA

May - August 2020

June - August 2019

- Identified and fixed 30 bugs in unit testing code
- Added 2 essential functions to the company software package used by 100+ developers
- Restructured big data to JSON and CSV file formats for easy consumption
- Performed data analytics using MongoDB to find similarities between drug tolerances

EDUCATION

M.ENG. COMPUTER ENGINEERING

University of Massachusetts Lowell

Lowell, MA

Sept. 2022 - May 2023

- Accelerated master's program with a concentration in AI and Computer Networking
- Anticipated Courses: Robotics, Computer Vision, Fundamentals of FPGAs, Fiber Optics

B.S.E. COMPUTER ENGINEERING - 3.9/4.0 GPA

University of Massachusetts Lowell

Lowell, MA

Sept. 2018 - May 2022

- National Engineering Honors Society (Tau Beta Pi)
- Commonwealth Honors College
- Co-founder of The Open-Source Club
- Microprocessors systems design lab group lead
- Relevant Courses: Network Design, Operating Systems, Software Engineering (Graduate), Data Structures

PROJECTS AND SKILLS

- Projects Video: [LINK HERE](#)
- Python, C, CPP, MIPS, Git
- PyCharm, CLion, VSC, Sublime Text
- GitLab, Jenkins, GitHub, Jira, Slack, Office 365